

ABSTRACT OF THE DISCLOSURE

A method of inspecting insulators such as spark plug insulators for defects, whereby a plurality of insulators are inspected concurrently by being disposed with a plurality of first electrodes engaged in respective apertures in the insulators, and with apertures formed in a second electrode being disposed to peripherally enclose respective insulators. With the insulators and electrodes set in a closed chamber under high air pressure, and high voltage applied between the first and second electrodes, any defect is detected based on a level of leakage current which then flows.